MASILVA
WEARECORK

Technological leader since 1972

CONCEPT **NEO**



THE BEST RAW MATERIAL AT THE HANDS OF THE BEST TECHNOLOGY

At MASILVA, we are constantly improving in the name of quality and we invest a large part of our revenue in innovation.

Neotech® technology is the latest innovation from MASILVA. It has revolutionised the technical cork stopper market, through a continuous and automatic process that employs controlled steam and pressure to expel TCA and other volatile compounds from the cork granules. All granules come from raw materials carefully selected in our raw material centre in Portugal.

With the Neotech system, the cork chips are carefully selected and processed, and a series of mechanical operations reduce the material to particles of uniform size. After grinding, the granules are treated using fluidised bed technology.

We use this cutting-edge technology to guarantee the highest quality in NEO® micro-agglomerated cork stoppers, in an ongoing commitment to sustainability in the product value chain.

In addition to eliminating TCA, Neotech® technology improves the physical properties of the granules; eliminating their stratification; as well as standardising the performance of the natural characteristics of cork. The consumer feels a difference at the touch.

For all these reasons we have been technological leaders since 1972 and set an international standard for product quality.

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NEOTECH® DYNAVOX® MASZONE® O_3

Quality comes first.

MASILVA
WE ARE CORK

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STOPPERS NEO PRESTIGE®



TECHNICAL SPECIFICATIONS

SIZES

Length: Nominal ± 0.5 mm
Diameter: Nominal ± 0.3 mm
Standard sizes: 38x24 mm, 44x24 mm, 47x24 mm

PHYSICAL

Moisture: 4 %-8 %
Dimensional recovery: > 96 %
Density: Nominal ± 40 Kg/m3
Resistance to boiling water: no disintegration
Granule size: 0.5-1 mm
Production: Individual Moulding

FUNCTIONAL

Stopper extraction forces: 15 daN – 45 daN (coated stoppers only)
Sealing capacity: no leaks at 1.5 bar
Capillarity: < 1 mm
OTR: 0.016cm3/day under 100% O2 atmosphere
TCA: Non Detectable **(1)**

STORAGE

Use no later than: 6 months (coated stoppers only) **(2)**
Moisture in storage: 40 %-70 % RH, non-condensing
Storage temperature: 15C-20C
Storage place: Store the stoppers in a clean, well-ventilated and odor-free place, away from products containing chlorine

(1) Releasable TCA content below the 0,5 ng/L detection limit; analysis performed in accordance to ISO 20752.

(2) As a good practice, the product should be used according to the FIFO methodology and as soon as possible, keeping the bags closed.

PRODUCTION FLOW

~~TCA~~ Non Detectable

RAW MATERIAL

CORK OAK STRIPPING
CORK PLANKS ARE STRIPPED FROM CORK OAK TREES

YARD STABILIZATION
PLANKS ARE STORED FROM 6 TO 9 MONTHS ON A CONCRETE FLOOR

BOILING | DYNAVOX® SYSTEM
PLANKS ARE STERILIZED AND DISINFECTED THROUGH A VAPORIZED PRESSURE SYSTEM

STABILIZATION AFTER BOILING
STABILIZATION PERIOD AFTER VAPORIZATION

CORK PLANKS SORTING FOR PRODUCTION
FIRST SORTING OF PLANKS FOR PRODUCTIONFÜR DIE PRODUKTION

PRODUCTION

GRINDING
CORK GRANULE PRODUCTION PROCESS

STERILIZATION | NEOTECH® SYSTEM
1CORK GRANULES ARE VAPORIZED AND STERILIZED

INDIVIDUAL MOULDING
PRODUCTION OF MICRO AGGLOMERATED BODIES

CORRECTION OF SIZES
PRECISE CORRECTION OF CORKS SIZES

O_3

WASHING | MASZONE® SYSTEM
WASHING AND STERILIZATION

TROCKNUNG
EINSTELLUNG AUF DEN ENDGÜLTIGEN FEUCHTEGEHALT

SORTING
CORK SORTING ACCORDING TO VISUAL QUALITY

PRINTING
CUSTOMIZED PRINTING ON STOPPERS

FINAL TREATMENT
TO FACILITATE THE BOTTLING PROCESS

PACKAGING
ACCORDING TO SPECIFICATIONS